

12. (New) The method according claim 11, wherein said cells are hepatocytes.

13. (New) The method according claim 11, wherein said cells are myocytes.

14. (New) The method according claim 11, wherein said cells are adipocytes.

15. (New) The method according to claim 11, wherein said cells are prostate cells.

16. (New) The method according claim 11, wherein said cells express a growth hormone receptor.

17. (New) The method according to claim 11, further comprising measuring mRNA levels.

18. (New) The method according to claim 11, further comprising measuring protein levels.

19. (New) The method according to claim 11, further comprising measuring binding of SOCS-2/CIS to a growth hormone receptor/JAK2 complex.

20. (New) The method according to claim 11, wherein purified or recombinant SOCS-2 is applied to said cells.

21. (New) The method according to claim 11, wherein purified or recombinant CIS is applied to said cells.

22. (New) The method according to claim 11, wherein said cells express proteins which link SOCS-2 and/or CIS to signaling molecules dependent on growth hormone.

23. (New) The method according to claim 11, further comprising applying growth hormone to said cells.

24. (New) The method according to claim 23, further comprising measuring facilitation of a growth hormone signal.

25. (New) The method according to claim 24, wherein said signal is selected from the group consisting of cell proliferation or metabolic activation.

26. (New) The method according to claim 24, wherein said facilitation is measured using a reporter gene system.

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